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AMENDMENTS TO THE CLAIMS:

We Claim:

1. (Currently Amended) A chlorine gas generator for disinfecting, comprising:
 - vented container;
 - a solid chemical candle being disposed within said vented container, said candle comprising an ignition layer and a chlorine generating segment, a said chlorine generating segment including metal powder as fuel, an oxygen source including at least one or more of an alkali metal chlorates or and an alkali metal perchlorate, and a metal chloride, and as a chlorine source; and
 - an igniter igniting the chemical candle from the an outside of the container.

2. (Currently Amended) The chlorine gas generator as in Claim 1, wherein said ignition layer further comprises metal powder, cobalt oxide, metal oxide and an alkali metal chlorate.

3. (Currently Amended) The chlorine gas generator as in claim Claim 1, further comprising an insulating material within the container and surrounding, which surrounds the chemical candle.

4. (Original) The chlorine gas generator as in Claim 1, wherein the igniter further comprises a thermal igniter coil connected by wires to the outside of the container.

5. (Currently Amended) The chlorine gas generator as in Claim 1, wherein said chlorine generating segment of the chemical candle is comprised of at least two or more layers of varying composition such that the a first layer, which is substantially adjacent to the ignition layer, is relatively richer in fuel, and the a second layer of said at least two layers is disposed at a greater distance from the ignition layer where said second layer is are relatively richer in chlorine generating compound compared to said first layer.

6. (Currently Amended) A The chlorine gas generator as in Claim 1, where the chlorine generating segment includes a binder.
7. (Currently Amended) A process for generating chlorine gas, comprising the steps of:
- igniting an ignition segment ~~consisting of~~ comprising metal power, cobalt oxide, metal oxide and an alkali metal chlorate resulting in products of combustion; and
 - containing the products of combustion in a container ~~and~~ , which is adjacent to a chlorine generation segment ~~consisting of~~ comprising metal chloride as a chlorine source (and a metal oxide catalyst); for propagation of the products of the combustion to the chlorine generation segment and complete burning thereof.
8. (Currently Amended) ~~A self-contained device for generating chlorine oxygen comprising an oxygen-chlorine generation chemical candle, a confinement chamber housing the candle, means for igniting the candle at one end of said chamber, and means for penetration of chlorine oxygen gas mixture, generated by the candle after ignition to environment. The chlorine gas generator according to Claim 1, further comprising a tube structure being partially disposed within said vented container for venting a gas generated by ignition of said solid chemical candle to an environment.~~
9. (Currently Amended) ~~The self-contained device according to claim 8, A process of using a chlorine gas generator for use in sanitizing swimming pools, small water supplies and sewage tanks, comprising~~
- placing said chlorine gas generator at least substantially near one of a swimming pool, small water supply and sewage tank environment;
 - igniting an ignition segment of said chlorine gas generator, said ignition segment comprising metal power, cobalt oxide, metal oxide and an alkali metal chlorate resulting in products of combustion;
 - containing said products of combustion in a container portion, which is adjacent to a chlorine generation segment comprising metal chloride as a chlorine source and a metal oxide catalyst;

propagating the products of the combustion to the chlorine generation segment for ignition of the chlorine generation segment and complete burning thereof for producing a chlorine gas;

venting said chlorine gas into said one of said swimming pool, small water supply and sewage tank environment for producing a sanitizing effect.

10. (Currently Amended) A process of using a chlorine gas generator for destroying biological warfare agents, comprising

placing said chlorine gas generator at least substantially near an environment including biological warfare agents;

igniting an ignition segment of said chlorine gas generator, said ignition segment comprising metal power, cobalt oxide, metal oxide and an alkali metal chlorate resulting in products of combustion;

containing said products of combustion in a container portion, which is adjacent to a chlorine generation segment comprising metal chloride as a chlorine source and a metal oxide catalyst;

propagating the products of the combustion to the chlorine generation segment for ignition of the chlorine generation segment and complete burning thereof for producing a chlorine gas;

venting said chlorine gas into said environment for producing a destruction effect on said biological warfare agents.

11. (New) The chlorine gas generator according to Claim 1, wherein said chlorine generating segment further comprises a catalyst.

12. (New) The chlorine gas generator according to Claim 1, wherein said ignition layer contacts said chlorine generating segment.